

LICENSING CHECKLIST  
FOR  
PORTABLE NUCLEAR MOISTURE/DENSITY GAUGES

This checklist is intended for those applicants wishing to obtain licensure (or renewal) for utilization of portable moisture/density gauges. Include the information specified below on form RH-2050 or attachments thereto. General information can be found in the guide, form RH-2051. All correspondence must be submitted in duplicate.

- Item 1. Name of Applicant: Specify the name of the company, business entity, or individual (if self-employed), as you would have it appear on the license.
- Item 2. Self-explanatory. Note: Portable gauge users usually work at temporary job sites.
- Item 3. Nuclide, Form, Possession Limit:
- a. Specify source (Cesium-137/Americium-241:Be) and source size in millicuries.
  - b. Specify form: sealed sources, manufacturer, source model, drawing number.
  - c. Indicate the number of sources or devices you want to be licensed for.
- Item 4. Proposed Use: To be used as components of gauges, (indicate manufacturer and gauge model), for determination of moisture/density in engineering materials.
- Item 5. Radiation Safety Officer and Users: Identify the Radiation Safety Officer (RSO) and the Alternate Radiation Safety Officers. Provide a completed "Statement of Training and Experience", RH-2050A, and a copy of a "Certificate of Completion" from a manufacturer's training course for the RSO and Alternate RSO only. Appointment of an Alternate RSO is strongly recommended. Have RSO and Alternate attended an RSO class, or refresher? Additional users' qualifications must be kept on file for inspection purposes.
- Items 6.  
and 7. Not required for portable gauge users.
- Item 8. Personnel Monitoring:
- a. Specify supplier of personnel dosimeters.
  - b. Specify type (film or TLD). Note: There is no quarterly film available.
  - c. Specify frequency of exchange (monthly or quarterly).

Item 9. Facilities and Equipment:

- a. Describe storage area for each location
  1. Submit 8" x 11" diagrams of the storage room and the gauge location within the room; include rooms adjacent to your storage area and indicate their use (if the area outside your storage room is a parking lot, indicate that).
  2. Show the distance to the nearest fulltime work station (>10 foot radius requested).
  3. Detail of dedicated storage cabinet: wood, metal, size?
  4. Describe or indicate electrical recharging capability in storage.
  5. Describe or indicate triple-lock security against unauthorized removal-three levels of locks: cabinet, room, building, and who has access to keys.
  6. Indicate maximum storage capacity of the container (number of gauges it will hold).
  7. For public storage, owners and fire department must be notified in writing.
  8. Indicate zoning classification (rural, commercial, etc.).  
\*Residential storage is prohibited by the Department.
  9. Describe procedures for overnight storage at temporary job sites (if applicable), including posting, security, type of container.
- b. Posting. Please commit to posting the following:
  1. "Notice to Employees", RH-2364, provided with new license.
  2. "Caution, Radioactive Material" and international symbol on storage box and/or door to storage room.
  3. A copy of the license, state and federal regulations (Title 17 and 10 CFR 20), operating and emergency procedures, or a notice where they can be found.

Item 10. Radiation Safety Program

- a. Leak Test Procedures:
  - 1. Specify who is authorized to collect wipes.
  - 2. Method of collection and company providing leak test kit.
  - 3. Indicate who performs analysis of wipe.
  - 4. Frequency (six months or annually).
- b. Utilization Log to include: (Please provide a copy.)
  - 1. Serial number, operator, date out.
  - 2. Destination and estimated return date.
  - 3. Actual date of return.
- c. Semiannual Inventory (5 or more gauges).
- d. Transportation Procedures must address each of the following:
  - 1. Method of transport including DOT-approved packages, security while in transit.
  - 2. Shipping papers (required to be within arms reach of driver), copy of license, instruction manual, and emergency procedures must be carried in the vehicle. Please provide a copy of your shipping papers and a copy of your emergency procedures.
  - 3. Emergency procedures should include copy of telephone call down list (RSO, ARSO, manufacturer, state, and local inspection agency). Please provide a copy.
- e. Refresher Training
  - 1. Indicate how you intended to conduct refresher training for users.
  - 2. Topics to given.
  - 3. Who will provide training.

- Item 11. Not Applicable.
- Item 12. Waste Disposal: Return device to the manufacturer or transfer it to another specific licensee of the USNRC or an Agreement State.
- Item 13. Decommissioning and Decontamination Plans: Notification of this agency is required 30 days prior to relocation of storage location(s), or termination of the license.
- Item 14. Certificate: Name and title of official who has legal and financial responsibility (President, City Engineer, etc.) for the applicant and the information and commitments contained. The application must have original signature or it will be returned to the applicant.